Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. **(Currently Amended)** An adjustable hydraulic press with both upper and lower double action comprising a main body and a hydraulic system, wherein the main body comprises a column, an upper beam and a lower beam fixed on [[the]] upper and lower ends of the column, a main slide block and a hold down slide block sliding fit with the column, and a fixing worktable and a floating worktable fixed on the column, characterized in that a plunger of a master cylinder fixed on the upper beam and plungers of four auxiliary cylinders fixed on the upper beam are connected to the main slide block and drive it, [[the]]a hydraulic ~~pressure~~ chamber of a gas-liquid power accumulator fixed in the main slide block communicates to [[the]]a hydraulic ~~pressure~~ chamber of a hold down cylinder fixed in the main slide block by a connecting pipe, [[the]]a plunger of the hold down cylinder is connected to the hold down slide block and drives it, tools and moulds or ejecting mould can be fixed on [[the]]an upper surface of a plunger of a ejecting cylinder, a snap ring groove is provided at [[the]]an upper end of the plunger of the ejecting cylinder to elevate the floating worktable, a snap ring can be mounted in the snap ring groove or removed from it, after loading the snap ring, the plunger of the ejecting cylinder can eject the floating worktable to a predetermined height.

2. (Original) The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein the fixing worktable is located between the hold down slide block and the floating worktable, the floating worktable is located between the fixing worktable and the lower beam, the floating worktable sliding fits with the column, the ejecting cylinder is fixed on the lower beam, the plunger of the ejecting cylinder can pass through a center hole of the floating worktable.

3. **(Currently Amended)** The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein [[the]]an air pressure of [[the]]a high pressure nitrogen in [[the]]a gasbag of the gas-liquid power accumulator fixed on the main slide block

balances with [[the]]a hydraulic pressure of [[the]] high pressure oil in the hydraulic chamber of the gas-liquid power accumulator, the pressure of the high pressure oil balances with the hydraulic pressure of the hold down cylinder by the connecting pipe, a charge valve and a pressure gauge interface are fixed on the gas-liquid power accumulator.

4. **(Currently Amended)** The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein the master cylinder and the four auxiliary cylinders are fixed in the upper beam, [[the]] upper and lower hydraulic chambers of the master cylinder and the four auxiliary cylinders are connected to each other through a connecting pipe and a connecting pipe respectively, the master cylinder is equipped with a load hydraulic pipe, which doubles as a backstroke discharged pipe and a backstroke hydraulic pipe, which doubles as a load discharged pipe, the load hydraulic pipe and the backstroke hydraulic pipe are connected to a high pressure liquid source, the backstroke discharged pipe and the load discharged pipe are connected to a tank.

5. **(Currently Amended)** The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein resetting slide rod of the hold down slide block pass through the main slide block, a position-limiting nut connected to the resetting slide rod by screw thread is used to adjust [[the]]a maximal space between the two slide blocks.

6. **(Currently Amended)** The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein ~~a snap ring groove is provided at the upper end of the plunger of the ejecting cylinder to elevate the floating worktable,~~ after installing the snap ring in the snap ring groove, the plunger of the ejecting cylinder can elevate the floating worktable to a predetermined height and the floating worktable is locked by a position-limiting nut for the floating worktable.

7. **(Currently Amended)** The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein [[the]] water-cooling jackets are installed on [[the]] outerwalls of the master cylinder, the auxiliary cylinder, the hold down cylinder, the gas-liquid power accumulator and the ejecting cylinder respectively, a spiral separator plate is

provided in each water-cooling jacket, a connecting pipe is provided at an upper end and a connecting pipe [[are]]is provided at ~~the upper and~~ a lower end[[s]] of the water-cooling jacket of the gas-liquid power accumulator and the water-cooling jacket of the hold down cylinder respectively, a connecting pipe is provided at an upper end and a connecting pipe [[are]]is provided at ~~the upper and~~ lower end[[s]] of the water-cooling jacket of the master cylinder and the water-cooling jacket of the auxiliary cylinder respectively.

8. **(Currently Amended)** The adjustable hydraulic press with both upper and lower double action according to claim [[1]]7, wherein a water inlet and a water outlet are provided at [[the]] upper and lower ends of the water-cooling jacket of the master cylinder respectively, a water [[inlet]]outlet and a water inlet are provided at the upper and lower ends of the water-cooling jacket of the gas-liquid power accumulator respectively, a water inlet and a water outlet are provided at the upper and lower ends of the water-cooling jacket of the hold down cylinder respectively, all [[the]] water inlets of the water-cooling jackets are connected to [[the]] water outlets of a cooling system, and all [[the]] water outlets of the water-cooling jackets are connected to [[the]] water inlets of the cooling system.

9. (Original) The adjustable hydraulic press with both upper and lower double action according to claim 3, wherein the gasbag of the gas-liquid power accumulator can be replaced by a piston and a seal ring.

10. (Original) The adjustable hydraulic press with both upper and lower double action according to claim 1, wherein it is used to process cylindrical spur gear.